

TO: Ms. Monica Yin

#8



OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/813,153

DATE: 07/11/2002

TIME: 13:06:27

Input Set : N:\Crf3\RULE60\09813153.raw

Output Set: N:\CRF3\07112002\I813153.raw

pp 6-8

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1 <110> APPLICANT: Rosen et al.
2 <120> TITLE OF INVENTION: 67 Human secreted proteins
3 <130> FILE REFERENCE: PZ023
4 <140> CURRENT APPLICATION NUMBER: 09/813,153
5 <141> CURRENT FILING DATE: 2001-03-21
6 <150> PRIOR APPLICATION NUMBER: US/09/363,044
7 <151> PRIOR FILING DATE: 1999-07-29
8 <150> PRIOR APPLICATION NUMBER: 60/073,160
9 <151> PRIOR FILING DATE: 1998-01-30
10 <150> PRIOR APPLICATION NUMBER: 60/073,159
11 <151> PRIOR FILING DATE: 1998-01-30
12 <150> PRIOR APPLICATION NUMBER: 60/073,165
13 <151> PRIOR FILING DATE: 1998-01-30
14 <150> PRIOR APPLICATION NUMBER: 60/073,164
15 <151> PRIOR FILING DATE: 1998-01-30
16 <150> PRIOR APPLICATION NUMBER: 60/073,167
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18 <150> PRIOR APPLICATION NUMBER: 60/073,162
19 <151> PRIOR FILING DATE: 1998-01-30
20 <150> PRIOR APPLICATION NUMBER: 60/073,161
21 <151> PRIOR FILING DATE: 1998-01-30
22 <150> PRIOR APPLICATION NUMBER: 60/073,170
23 <151> PRIOR FILING DATE: 1998-01-30
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30 <213> ORGANISM: Homo sapiens
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34 tctcccgga ccttgaggtc acatgcgtgg tgggtggacgt aagccacgaa gaccctgagg 180
35 tcaagttcaa ctggtacgtg gacggcgtgg aggtgcataa tgccaagaca aagccgcggg 240
36 aggagcagta caacagcacg taccgtgtgg tcagcgtcct caccgtcctg caccaggact 300
37 ggctgaatgg caaggagtac aagtgaagg tctccaacaa agccctccca acccccatcg 360
38 agaaaaccat ctccaaagcc aaagggcagc cccgagaacc acaggtgtac accctgcccc 420
39 catcccgga tgagctgacc aagaaccagg tcagcctgac ctgcctggtc aaaggcttct 480
40 atccaagcga catcgccgtg gagtgggaga gcaatgggca gccggagaac aactacaaga 540
41 ccacgcctcc cgtgctggac tccgacggct ccttcttctt ctacagcaag ctcaccgtgg 600
42 acaagagcag gtggcagcag gggaacgtct tctcatgctc cgtgatgcat gaggtctgc 660
43 acaaccacta cagcgagaag agcctctccc tgtctccggg taaatgagtg cgacggccgc 720
44 gactctagag gat 733

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51 <221> NAME/KEY: Site
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53 <223> OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
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56          1          5
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80      gcccctaact ccgcccagtt ccgcccattc tccgccccat ggctgactaa ttttttttat      180
81      ttatgcagag gccgaggccg cctcggcctc tgagctattc cagaagtagt gaggaggctt      240
82      ttttgagggc ctaggctttt gcaaaaagct t      271
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85 <211> LENGTH: 32
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Output Set: N:\CRF3\07112002\I813153.raw

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120      cagttccgcc cattctccgc cccatggctg actaattttt tttatttatg cagaggccga
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131      ggctgagagg aggacacgga gggctctgct gaggttcctt cctgggttcc accaacaggg
132      acagggagtc acttgccctc cagttctgtg ctgggatggc gggacagcac ttggcttgct
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134      ctgctccagc ccctcccaaa cagctggtag cttatggttt cttcaagagg aaagtagact
135      ttatgctgta catttgagct gtagagctaa gattcgctta ctggtgagct gtgaaacctt
136      gttgcttttt cccagagtct gatggcagtg actgtgatca aggaatctt caccgccaca
137      agtgacggca gcaggtgtgg ttcaggctcc cccccacccc actgtgctcc tttgaagcca
138      acgtgcctcc ctgcctcca tactggaggg acgacgcagg ggagaacaga gaagtgcctg
139      gccctaggat tgaggcactt gtttcctagc ccgctgggtt agggctgggt caagcgaggc
140      aatggtgagg atgctttaag cactaccagc cgaatccggg aactctgtta acagttgtcc
141      aaccagcaga atgaggctaa ctgtataaag catgggaccc aggatgagga taaggaaagg
142      acagcggctt tccctgggca gtacaatggc ttgaaggcaa aaagggataa agtgacagcc
143      gactgtgact ctggtgagga ggggtgagca gggaggttga ttctctgatg ttaactaagt
144      ggcaaagtct caaccgtgct cagccctccc cctcccaggg aagagaaaca aagattcaaa
145      gtaagcatga tactagtggg tttaccagtg tttcttccaa ggagacatat attttttaat
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154	gaggacacga gctctatgcc ttcccggtcg ctcacccgc tcggccctcct gtgcgcgctg	120
155	ctgcctcagc accatggtgc gccagggtccc gacggctccg cgccagatcc cgcccactac	180
156	agggagcgag tcaaggccat gttctaccac gcctacgaca gctacctgga gaatgccttt	240
157	cccttcgatg agctgcgacc tctcacctgt gacgggcacg acacctgggg cagtttttct	300
158	ctgactctaa ttgatgcaact ggacaccttg ctgatttttg ggaatgtctc agaattccaa	360
159	agagtggttg aagtgtctca ggacagcgtg gactttgata ttgatgtgaa cgctctgtg	420
160	tttgaaacaa acattcgagt ggtaggagga ctctgtctg ctcatctgct ctccaagaag	480
161	gctggggtgg aagtagaggc tggatggccc tgttccgggc ctctcctgag aatggctgag	540
162	gaggcggccc gaaaactcct ccacgccttt cagaccccca ctggcatgcc atatggaaca	600
163	gtgaacttac ttcattggcg gaacccagga gagaccctg tcacctgtac ggcagggatt	660
164	gggaccttca ttgttgaaatt tgccacctg agcagcctca ctggtgacct ggtgttcgaa	720
165	gatgtggcca gagtggcttt gatgcgcctc tgggagagcc ggtcagatat cgggctggtc	780
166	ggcaaccaca ttgatgtgct cactggcaag tgggtggccc aggacgcagg catcggggct	840
167	ggcgtggact cctactttga gtacttggtg aaaggagcca tcctgcttca ggataagaag	900
168	ctcatggcca tgttcctaga gtataacaaa gccatycgga actacacccg cttcgatgac	960
169	tggtagctgt gggtwcagat gtacaagggg actgtgtcca tgccagtctt ccagtcctyr	1020
170	gaggcctact ggctggtct kcagagcctc rttggrgaca ttgacaatgc catgaggacc	1080
171	ttcctcaact actacactrt atggaagcag tttggggggc tcccrgaatt ctacaacatt	1140
172	cctcagggat acacagtga gaagcgagag ggctaccwc ttcggccaga actyattgar	1200
173	agcgcaatgt acctctaccg tgccacgggg gayccaccc tcytagaact cggaagagat	1260
174	gctgtggaat ccattgaaaa aatcagcaag gtggagtgyg gatttgcaac aatcaaagat	1320
175	ctgcgagacc acaagctgga caacgcgatg gagtckttct tcctggccga gacygtgaaa	1380
176	tacctctacc tyctgttyga cccrrccaac ttcattccca acaayggstc caccttcgac	1440
177	gcggtgatca cccctatgg ggagtgcac ctgggggctg gggggtacat cttcaacaca	1500
178	gaagctcacc ccacgcacc tgccgcctg cactgctgcc agaggctgaa ggaagagcag	1560
179	tgggaggtgg aggacttgat gagggaattc tactctctca aacggagcag gtcgaaattt	1620
180	cagaaaaaca ctgttagttc ggggccatgg gaacctccag caaggccagg aacactcttc	1680
181	tcaccagaaa accatgacca ggcaaggag aggaagcctg ccaaacagaa ggtcccactt	1740
182	ctcagctgcc ccagtcagcc cttcacctcc aagttggcat tactgggaca ggttttccta	1800
183	gactcctcat aaccactgga taattttttt atttttattt ttttgaggct aaactataat	1860
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185	aaggcgggcc gc	1932
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194	cccggtggctg aagcattaac cgggtggccc cgtgcctccc cgccccactt tcccttcttc	180
195	aaaggacaaa gtgccctcaa agggaattga attttttttt tacacactta atcttagcgg	240
196	attacttcag atgtttttta aaagtatatt aagatgcctt ttcactgtag tatttaata	300
197	tctgttacag gtttccaagg tggacttgaa cagatggcct tatattacca aaacttttat	360
198	attctagtgt tttttgtact ttttttgcac acaagccgaa cgtttgtgct tcccgatgac	420
199	gcagtcaaag actcagcaca ggttttagag gaaatagtca aacatgaact aggaagccag	480
200	gtgagtctcc tttctccagt ggaagagccg ggaccttccc cctgcacccc cgacatccag	540
201	ggacggggtg tgaggaagac gctgcctccc aatggcctgg acgggatgtt tccaagctct	600
202	tgttccccta acgtctcaac aggcgtcac tgaagtgtat gaatttttt taaaaagggtt	660
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206	gggcaggggt	tcctgaaact	gggttaattc	tttatagaaa	tgtgaacact	gaatttattt	900
207	taaaaaataa	taataaaaaa	ttaaaaaaat	taaaaaataa	aaaaaccaca	gaaaacaact	960
208	ttacatgtat	ataggtcttg	aagtgagtga	agtggctgct	tttttttttt	tttttttttt	1020
209	gctttttttt	gctttttgta	gaagagattg	agaatggtac	tctaatacaa	aataaagttt	1080
210	tgtagtggga	ccagaaatta	cttacctgac	atccaccccc	attccccctc	atcctgctgg	1140
211	ggttgaaagt	tcagacctg	ctgtcgaggc	cttgtgtttg	tcagacaccc	agtgtcctcc	1200
212	tgcaaggacg	caactgtgag	ctgagggtgt	agcctaggag	cccaggaccc	ctgaccccg	1260
213	ccgctgctgc	cagcctcaga	aaggcaccca	ggtgtgcagg	ggagcacaca	gggcccgga	1320
214	gccccagga	atcaaggata	gggctaaggt	tttcacctta	actgtgaagg	caggaggaat	1380
215	aggtgactgc	ttcctcccg	ccttcacaga	actgattctc	acacactgtc	ccttcagtcc	1440
216	agggggccgg	ggctcaggag	ccatgacctg	gtgtctcctg	cccaccttg	tcccaggtaa	1500
217	atgtgaatgg	agacaggtat	gagaggctgt	cctcgtcttt	gattcccccc	caacccccacc	1560
218	tcgggectca	cgacgggtgt	acctaagaaa	gtcttccctc	ccaccccccg	ctagcctggt	1620
219	cagtggtcag	caaattggaa	gaggatccga	tgggagtgtg	aatgtgagac	acaatgtctt	1680
220	gattatacct	gtttgtggtt	tagctttgta	tttaacaag	gaaataaact	tgaaaattat	1740
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230	tgggagaatt	tacttctgtg	gtttgctact	gtttcattct	ttcccttatc	attggtagtg	120
231	ttgttaggtg	gcagggttgt	ggggcagagt	gggttttcgc	cctgggggag	catatgtggc	180
232	agagggcaca	ggaagatctg	taagcaagag	ggcatagcaa	attaaatgac	cacactgtca	240
233	ggaaggttga	caggccaaag	aaagatcagc	tcctccaaat	ctgctgaact	aactctcccc	300
234	tcgtagcccc	agacacgttt	tctcaatttg	agcacaatat	ccattactat	ttcccgctact	360
235	gggtttcaat	taaagagagt	gagagtagaa	agttcactgg	tgtttggggg	ttcattttatt	420
236	tccaagcagg	atgcaaata	aaggagccg	tgggcacaga	gttgtcatgt	gtgtttttcc	480
237	tcctctttct	ttccatttcc	ttcttgcaac	cttccctcca	cttcttgcca	gccaccagc	540
238	acaccggtgt	tcccaaagca	aatgttttca	wgtcttgaaa	atccagttag	ggtgaggaga	600
239	gaaggaaggt	gataacatca	tacctactga	tgccccctag	agatgaagct	gtcctggggg	660
240	cacttaaggc	ttgaggaag	gatttacctt	ctcgag			696
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252	tgctaagggt	ctgtgctaca	aattgatgtt	tagataaact	tcagtgaat	gactcttcag	120
253	gaattgggtg	ataaggctgc	ctcctgytat	atggacagag	tagctgtatg	ttttgatgaa	180
254	tgcaacaacc	agcttccagt	ttactacacc	tacaagactg	tggttaatgc	tgcttctgaa	240

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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Seq#:21; N Pos. 396
Seq#:22; N Pos. 48,987,1037,1312
Seq#:23; N Pos. 720
Seq#:25; N Pos. 910,912,958,1038
Seq#:26; N Pos. 15,27
Seq#:27; N Pos. 2,13,61,79,101
Seq#:28; N Pos. 1063,1067
Seq#:33; N Pos. 184,208
Seq#:34; N Pos. 9,1692
Seq#:36; N Pos. 13
Seq#:40; N Pos. 38
Seq#:42; N Pos. 770
Seq#:43; N Pos. 798,927,944,974,1035,1058
Seq#:47; N Pos. 488,536,539,548
Seq#:51; N Pos. 1874
Seq#:52; N Pos. 5,136
Seq#:53; N Pos. 502
Seq#:57; N Pos. 353,528
Seq#:58; N Pos. 1480
Seq#:67; N Pos. 76
Seq#:69; N Pos. 323,337
Seq#:75; N Pos. 136
Seq#:78; N Pos. 1212
Seq#:79; N Pos. 9,410
Seq#:81; Xaa Pos. 54
Seq#:82; Xaa Pos. 326,342,444
Seq#:83; Xaa Pos. 100
Seq#:84; Xaa Pos. 48
Seq#:85; Xaa Pos. 47
Seq#:86; Xaa Pos. 276
Seq#:87; Xaa Pos. 86
Seq#:88; Xaa Pos. 95
Seq#:89; Xaa Pos. 313
Seq#:90; Xaa Pos. 80
Seq#:91; Xaa Pos. 47
Seq#:92; Xaa Pos. 106,129
Seq#:93; Xaa Pos. 71
Seq#:94; Xaa Pos. 48
Seq#:95; Xaa Pos. 57
Seq#:96; Xaa Pos. 73
Seq#:97; Xaa Pos. 60

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Seq#:101; Xaa Pos. 83
Seq#:102; Xaa Pos. 43
Seq#:103; Xaa Pos. 286,318
Seq#:104; Xaa Pos. 46
Seq#:105; Xaa Pos. 49
Seq#:106; Xaa Pos. 66
Seq#:107; Xaa Pos. 46
Seq#:108; Xaa Pos. 74
Seq#:109; Xaa Pos. 50
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Seq#:111; Xaa Pos. 74
Seq#:112; Xaa Pos. 43
Seq#:113; Xaa Pos. 180
Seq#:114; Xaa Pos. 47
Seq#:115; Xaa Pos. 34,81
Seq#:116; Xaa Pos. 68
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Seq#:118; Xaa Pos. 212
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Seq#:126; Xaa Pos. 281
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Seq#:128; Xaa Pos. 188,211,295
Seq#:129; Xaa Pos. 43
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Seq#:138; Xaa Pos. 379
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 Seq#:158; Xaa Pos. 9,31
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 Seq#:161; Xaa Pos. 37
 Seq#:162; Xaa Pos. 7
 Seq#:165; Xaa Pos. 6,56,67,113,130,137,139,211,222,224,227,280
 Seq#:166; Xaa Pos. 6
 Seq#:167; Xaa Pos. 12,23
 Seq#:168; Xaa Pos. 27,44
 Seq#:169; Xaa Pos. 5,7
 Seq#:170; Xaa Pos. 38
 Seq#:171; Xaa Pos. 5,7,10
 Seq#:172; Xaa Pos. 20
 Seq#:178; Xaa Pos. 309,341
 Seq#:186; Xaa Pos. 2,34
 Seq#:197; Xaa Pos. 236,324
 Seq#:203; Xaa Pos. 13
 Seq#:205; Xaa Pos. 9
 Seq#:217; Xaa Pos. 56
 Seq#:219; Xaa Pos. 9
 Seq#:221; Xaa Pos. 84
 Seq#:222; Xaa Pos. 118,176
 Seq#:255; Xaa Pos. 185

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 32,33,34,35,36,37,38,39,40,41,42,43,44
 Seq#:2; Line(s) 53
 Seq#:3; Line(s) 63,64
 Seq#:4; Line(s) 71
 Seq#:5; Line(s) 78,79,80,81,82
 Seq#:6; Line(s) 89
 Seq#:7; Line(s) 96
 Seq#:8; Line(s) 103
 Seq#:9; Line(s) 110,111
 Seq#:10; Line(s) 118,119,120,121,122
 Seq#:11; Line(s) 129,130,131,132,133,134,135,136,137,138,139,140,141,142
 Seq#:11; Line(s) 143,144,145,146
 Seq#:12; Line(s) 153,154,155,156,157,158,159,160,161,162,163,164,165,166
 Seq#:12; Line(s) 167,168,169,170,171,172,173,174,175,176,177,178,179,180
 Seq#:12; Line(s) 181,182,183,184,185
 Seq#:13; Line(s) 192,193,194,195,196,197,198,199,200,201,202,203,204,205
 Seq#:13; Line(s) 206,207,208,209,210,211,212,213,214,215,216,217,218,219
 Seq#:13; Line(s) 220,221,222